

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L7	34	"5579384"	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/08/03 16:33
L8	2	"5579384".pn.	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/08/03 16:33
S1	2	"5579384".pn.	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/09 11:15
S2	60	("4685125"   "4736402"   "4747127"   "4805209"   "4919545"   "4926495"   "4942602"   "4984234"   "5008929"   "5008930"   "5056086"   "5153884"   "5153907"   "5182744"   "5193110"   "5212727"   "5241588"   "5251255"   "5257369"   "5282244"   "5285494"   "5309563"   "5317630"   "5353331"   "5377186"   "5416781"   "5418844"   "5420090"   "5438568").PN. OR ("5579384").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/09 11:15
S3	1	((FABIAN) near2 (CASTRO)).INV.	US-PGPUB; USPAT	OR	ON	2007/07/09 11:15
S4	2	(("JOSE LUIS") near2 (DOMINGUEZ)).INV.	US-PGPUB; USPAT	OR	ON	2007/07/09 11:16
S5	1503589	provision\$3 "network element" same manager same subscription same model	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/09 11:53
S6	447378	wireless wan	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/09 11:53
S7	11427	S5 same S6	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/09 11:54
S8	12285	"object class"	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/09 11:54

## EAST Search History

S9	2	S7 same S8	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/09 12:22
S10	34	"6330586"	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/09 12:22
S11	2	"6330586".pn.	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/09 12:23
S12	202	("tmn" "telecommunication management network") and ("service management system" sms)	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/09 12:24
S13	51	S12 and wireless	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/09 12:26
S14	2	"6779030".pn.	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/09 12:27
S15	0	S14 same subscription same model same unknown	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/09 12:28
S16	0	S14 and subscription and model and unknown	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/09 12:28
S17	2	"6212169".pn.	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/12 16:49
S18	10	("5557748"   "5774689"   "5796723"   "5872928"   "5905715"   "5982748").PN. OR ("6212169").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 16:55
S19	1	wo-9837707-\$ DID.	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/12 16:57
S20	1	wo-9705703-\$ DID.	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/12 16:59

## EAST Search History

S21	1	ep-838919-\$ DID.	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/12 17:00
S22	1	ep-682429-\$ DID.	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/12 17:00
S23	2	"5579384".pn.	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/13 16:19
S24	23841	"TMN system" "network elements"	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/18 12:05
S25	9482	manager same agents	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/18 12:09
S26	228	S24 same S25	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/18 12:05
S27	80976	(objects resources) same model	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/18 12:12
S28	9	S26 same S27	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/18 12:05
S29	9795	(manager provisioned) same agents	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/18 12:10
S30	12943	(manager provisioned) same (provisioning agents)	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/18 12:10
S31	240	S24 same S29	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/18 12:10
S32	503	S24 same S30	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/18 12:10

## EAST Search History

S33	2619	(objects class resources) same (model)	US-PGPUB; USPAT; DERWENT; IBM_TDB	AND	ON	2007/07/18 12:11
S34	534	(objects class resources) same (model)	US-PGPUB; USPAT; DERWENT; IBM_TDB	SAME	ON	2007/07/18 12:11
S35	1	S32 same S34	US-PGPUB; USPAT; DERWENT; IBM_TDB	SAME	ON	2007/07/18 12:11
S36	4409	(objects resources attributes) same "data model"	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/25 17:53
S37	1	S26 same S36	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/18 12:13
S38	9	S26 same S27	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/18 12:15
S39	1	S26 same S36	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/18 12:14
S40	88174	(objects resources attributes) same model	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/18 12:15
S41	9	S40 same S26	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/18 12:16
S42	448	S40 same S30	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/18 12:17
S43	5	S41 and "709"/\$.ccls.	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/18 13:05

## EAST Search History

S44	21	("5509123"   "5511190"   "5511191"   "5513343"   "5517645"   "5535335"   "5600632"   "5659543"   "5778182"   "5781735"   "5794246"   "5796951"   "5799073"   "5812130"   "5819279"   "5819284"   "5856974"   "5872928"   "5889953"   "6041347").PN. OR ("6393472").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 12:17
S45	7	(manage\$4 adj system) same ("network element") same agents same (objects resources) same model	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/20 17:32
S46	2	(("JOSE LUIS") near2 (DOMINGUEZ)).INV.	US-PGPUB; USPAT	OR	ON	2007/07/18 13:07
S47	2	"5832244".pn.	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/18 13:15
S48	2	"5832224".pn.	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/18 13:15
S49	1	("TMN" "telecommunication management network" "NM") same (manage\$4 adj system) same ("network element") same agents same (objects resources) same model	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/25 17:53
S50	2	("TMN" "telecommunication management network" subscription) same (manage\$4 adj system) same ("network element") same agents same (objects resources) same model	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/18 13:54
S51	2	("TMN" "telecommunication management network" subscription) same ("network element") same agents same (objects resources) same model	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/18 13:46
S52	25	("4999833"   "5159685"   "5175800"   "5317742"   "5608720"   "5628011"   "5661668"   "5715371"   "5764955"   "5774689"   "5870667"   "5920565").PN. OR ("6047279").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 13:46

## EAST Search History

S53	1	(("TMN" "telecommunication management network" subscription) same (manage\$4 adj system) same ("network element") same agents same (objects resources) same model) NOT SNMP	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/18 13:55
S54	0	(("TMN") same (manage\$4 adj system) same ("network element") same agents same (objects resources) same model) NOT SNMP	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/18 13:55
S55	0	("TMN" same (manage\$4 adj system) same ("network element") same agents same (objects resources) same model) NOT SNMP	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/18 13:55
S56	1	("TMN" same (manage\$4 adj system) same agents same (objects resources) same model) NOT SNMP	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/18 14:30
S57	0	"10519533".ap.	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/18 14:31
S58	6	"519533".ap.	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/18 14:32
S59	6	"610402".ap.	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/18 14:32
S60	24	("TMN") same (manager managing source) same (managed agent destination) same (objects "network elements") same (attribute model)	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/19 15:54
S97	129	("management system" "TMN") same (manager) same (model resource objects) same (protocol) same (agent)	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/23 14:42
S98	36	("management system" "TMN") same (manager) same (model resource objects) same (protocol) same (agent) NOT SNMP	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/23 13:54
S99	14	("5726979"   "5764955"   "5848243"   "5867495"   "5920542").PN. OR ("6041350").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 11:56

## EAST Search History

S10 0	216	("AIN" "IN" "intelligent network" "TMN" "telecommunication management network") same (manager) same (model object resource) same (protocol corba ldap) same (agent) NOT "SNMP"	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/20 17:33
S10 1	0	"manager-agent architecture" same (CMIP protocol) same (NE "Network Elements") same (objects) same (attribute model class)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 13:42
S10 2	1	"manager-agent architecture" same (CMIP protocol) same (NE "Network Elements") same (objects)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 11:59
S10 3	0	((manager and agent) adj architecture) same (CMIP protocol) same (NE "Network Elements") same (objects)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 12:00
S10 4	0	((manager same agent) adj architecture) same (CMIP protocol) same (NE "Network Elements") same (objects)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 12:00
S10 5	1	((manager same agent) near3 architecture) same (CMIP protocol) same (NE "Network Elements") same (objects)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 12:00
S10 6	14	("5726979"   "5764955"   "5848243"   "5867495"   "5920542").PN. OR ("6041350").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 12:00
S10 7	0	manager same agent same subscription same TMN same object same model	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 13:43
S10 8	0	manager same agent same subscription same TMN same object same model	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/23 13:43
S10 9	1	("management system" TMN) same subscription same manager same protocol same (model object) same agent	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/23 13:45
S11 0	0	("2006/0015617").URPN.	USPAT	OR	ON	2007/07/23 13:49
S11 1	5	("management system" "TMN") same (manager) same (model resource objects) same (protocol) same (agent) same map\$4 NOT SNMP	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/23 13:55

## EAST Search History

S11 2	4	("management system" "TMN") same (manager) same (model resource objects) same (protocol) same (agent) same mapping NOT SNMP	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/23 13:55
S11 3	1	("management system" "TMN") same (manager) same (model resource objects) same (protocol) same (agent) same subscription	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/23 15:10
S11 4	0	("management system" "TMN") same (manager) same (model resource objects) same (protocol) same (agent) same ("IRP" "intergration reference points")	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/23 15:11
S11 5	2358	IRP	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/23 15:11
S11 6	2358	IRP "intergration reference points"	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/23 15:12
S11 7	31	S116 same manager same agent	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/23 15:12
S11 8	10	("TMN" "telecommunication management network") same (manager network-manager sub-network-manager) same agents same (objects resources) same model	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/30 11:03
S11 9	1	S118 same subscription	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/25 17:56
S12 0	4	TINA same subscription	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/26 09:21
S12 1	3	(tmn nrm tina) same subscription same provision\$3	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/26 10:37
S12 2	1	(tmn nrm tina) same subscription same provision\$3 same protocol	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/26 10:17

## EAST Search History

S12 3	2	"5579384".pn.	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/26 10:17
S12 4	61	("4685125"   "4736402"   "4747127"   "4805209"   "4919545"   "4926495"   "4942602"   "4984234"   "5008929"   "5008930"   "5056086"   "5153884"   "5153907"   "5182744"   "5193110"   "5212727"   "5241588"   "5251255"   "5257369"   "5282244"   "5285494"   "5309563"   "5317630"   "5353331"   "5377186"   "5416781"   "5418844"   "5420090"   "5438568").PN. OR ("5579384").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/26 10:26
S12 5	0	S124 same subscription	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/26 10:27
S12 6	14	S124 and subscription	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/26 10:27
S12 8	1	(tmn nrm) same subscription same (CAS "customer administration system") same provision\$3	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/26 10:37
S12 9	0	("TMN" "telecommunication management network") same (manager network-manager ) same protocol adj adapter same agents same (objects resources) same model	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/30 11:03
S13 0	0	("TMN" "telecommunication management network") same (manager network-manager ) same (protocol adj adapter) same agents same (objects resources) same model	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/30 11:03
S13 1	0	("TMN" "telecommunication management network") same (manager ) same (protocol adj adapter) same agents same (objects resources) same model	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/30 11:04
S13 2	0	("TMN" "telecommunication management network") same (protocol adj adapter)	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/30 11:04

## EAST Search History

S13 3	67	("TMN" "telecommunication management network") same multiple same (protocol language)	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/30 11:04
S13 4	2	("TMN" "telecommunication management network") same multiple near3 (protocol language)	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/30 11:06
S13 5	2	("TMN" "telecommunication management network") same multiple near3 (protocol language) same (service subscription)	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/30 11:06
S13 6	56	("TMN" "telecommunication management network") same multiple same (protocol language) same (service subscription)	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/30 11:33
S13 7	133	("TMN" "telecommunication management network") same (protocol language) same (service subscription)	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/30 11:33
S13 8	44	("TMN" "telecommunication management network") same (protocol language) same (service subscription) same model	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/30 11:36
S13 9	10	("TMN" "telecommunication management network") same (multiple various) same (protocol language) same (service subscription) same model	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/30 11:45
S14 0	10	("TMN" "telecommunication management network") same (multiple various) same (protocol language) same (service subscription) same model same object	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/30 11:46
S14 1	0	wo-199705703-\$ did.	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/30 12:14
S14 2	1	wo-9705703-\$ did.	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/30 12:16
S14 3	0	08/556731.app.	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/30 12:17

## EAST Search History

S14 4	0	08/0556731.app.	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/30 12:17
S14 5	0	08/556731.app.	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/30 12:17
S14 6	0	"08556731".app.	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/30 12:17
S14 7	20	((YVES) near2 (LEMIEUX)).INV.	US-PGPUB; USPAT	OR	ON	2007/07/30 14:00
S14 8	19	(TMN IN AIN) same subscription same model same objects same protocols	US-PGPUB; USPAT	OR	ON	2007/07/30 14:01
S14 9	0	(TMN TINA) same subscription same model same objects same protocols	US-PGPUB; USPAT	OR	ON	2007/07/30 14:01
S15 0	0	("TMN" TINA) same subscription same model same objects same protocols	US-PGPUB; USPAT	OR	ON	2007/07/30 14:01
S15 1	6	("TMN" "TINA") same subscription same system	US-PGPUB; USPAT	OR	ON	2007/07/30 14:41
S15 2	6	("TMN" "TINA") same subscription same system	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/30 14:01
S15 3	5	("TMN" "TINA") same subscription same system same protocol	US-PGPUB; USPAT	OR	ON	2007/07/30 14:59
S15 4	0	("TMN" "TINA") same (manager near2 protocol) same subscription	US-PGPUB; USPAT	OR	ON	2007/07/30 14:59
S15 5	0	("TMN" "TINA") same (manager near3 protocol) same subscription	US-PGPUB; USPAT	OR	ON	2007/07/30 15:00
S15 6	0	("TMN" "TINA") same protocol adj adapter	US-PGPUB; USPAT	OR	ON	2007/07/30 15:00
S15 7	0	("management network") same (protocol adj adapter)	US-PGPUB; USPAT	OR	ON	2007/07/30 15:00
S15 8	0	("management network") same (protocol adj adapter)	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/30 15:01
S15 9	205	("NMS" "TMN" "telecommunication management network") same (protocols language) same manager same agents	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/30 15:01

## EAST Search History

S16 0	0	("NMS" "TMN" "telecommunication management network") same (protocols language) same manager same agents same subscription	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/30 15:01
S16 1	12746	("NMS" "TMN" "telecommunication management network") same (protocols language) same subscription	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/30 15:01
S16 2	24	("NMS" "TMN" "telecommunication management network") same (protocols language) same subscription	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/30 15:32
S16 3	0	TMN same (manager with (protocol adj adapter))	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/30 15:06
S16 4	0	"TMN" same (manager with (protocol adj adapter))	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/30 15:06
S16 5	0	"TMN" same (manager same (protocol adj adapter))	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/30 15:06
S16 6	0	"TMN" same manager same (protocol and adapter)	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/30 15:06
S16 7	2	"20020131374".pn.	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/30 15:36
S16 8	2	"6708207".pn.	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/30 15:36
S16 9	61	("4685125"   "4736402"   "4747127"   "4805209"   "4919545"   "4926495"   "4942602"   "4984234"   "5008929"   "5008930"   "5056086"   "5153884"   "5153907"   "5182744"   "5193110"   "5212727"   "5241588"   "5251255"   "5257369"   "5282244"   "5285494"   "5309563"   "5317630"   "5353331"   "5377186"   "5416781"   "5418844"   "5420090"   "5438568").PN. OR ("5579384").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/30 15:44

## EAST Search History

S17 0	90	( "4685125"   "4736402"   "4747127"   "4805209"   "4919545"   "4926495"   "4942602"   "4984234"   "5008929"   "5008930"   "5056086"   "5153884"   "5153907"   "5182744"   "5193110"   "5212727"   "5241588"   "5251255"   "5257369"   "5282244"   "5285494"   "5309563"   "5317630"   "5353331"   "5377186"   "5416781"   "5418844"   "5420090"   "5438568").PN. OR ("5579384").URPN.	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	ON	2007/07/30 15:44
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